



ASARCO LLC
Ray Operations
P.O. Box 640
Hayden, AZ 85137

JOB DESCRIPTION – SENIOR GEOLOGIST

POSITION SUMMARY

The Senior Geologist will lead and perform the 3D geomodelling of the Ray orebody, optimize the existing model and create new modelling in support of daily mine production and long-term resource. Interpretation and synthesis of geological and geochemical data, provide senior level technical leadership in the office and field, and assist and support Mine Geology and Mine Planning.

ESSENTIAL FUNCTIONS

- Modelling the Ray orebody in Hexagon MineSight and/or Leapfrog Geo software
- Interpretation and integration of lithological, geochemical, structural, and mineral process data from drilling, mapping, and mineral processing
- Update and maintenance of the acQuire database
- Supervise the conversation of legacy data to digital
- Technical leadership and support to mine geologists in the field and office including training and mentoring
- Technical excellence and guidance with sample auditing and QA-QC reporting
- Plan and supervise and drilling projects and sampling programs
- Manage and assist with mapping, logging, and grade control
- Assist in the supervision, administration, and technical overview of all geological work done at the mine as required.
- Perform the assigned duties for Engineers and Geologists as described in the ASARCO Total Safety Culture Program

OTHER DUTIES

- As assigned by the General Supervisor, Geology and Mine Planning

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES

- Advanced knowledge of ore deposits and structural geology
- Knowledge of porphyry copper deposits and associated alteration assemblages

- Advanced computer skills and proven proficiency in 3D geomodelling software (MineSight 3D or Leapfrog Geo); a working knowledge of IoGas and acQuire (or other database), and GIS (ArcGIS preferred)
- A positive attitude at all times
- Fluent English with strong oral and written communication skills
- Must be able to work independently, manage time effectively and set priorities
- Must have the ability to manage multiple tasks
- Strong interpersonal skill in developing trust and teambuilding

REQUIRED EDUCATION AND EXPERIENCE

- Bachelor's degree in Geology or Geosciences or equivalent required
- Master's degree preferred
- Minimum of 8 years work experience, 10 years preferred
- Previous work experience in the mining industry required and familiarity with the processes and workflow in a surface mine setting
- Proficiency in MineSight or Leapfrog Geo required

ENVIRONMENTAL, HEALTH, AND SAFETY

- Training or Instruction in environmental awareness required
- Training in safety and health awareness according to federal Mine Safety and Health Administration standard required

A core value of ASARCO LLC is "Safety First." The Company is committed to help employees continuously improve their efforts to work in the most safe, inclusive, socially and environmentally responsible manner practicable. Employee safety and health, both on and off the job, are critically important to the Company. Therefore, ASARCO LLC requires employees to have and effectively demonstrate good working knowledge of modern safety systems. Each employee will take prime responsibility for ensuring that s/he works within all required safety procedures and processes.

ASARCO LLC is an equal opportunity employer. Candidates must possess a current and valid driver's license. Offers of employment are contingent upon a successful criminal background check and pre-employment physical including a drug screen.

ASARCO LLC offers an excellent low-cost benefits package for medical/prescription/dental/vision, disability coverage, life insurance and other optional coverage and 401(k) plan with company match.

View and apply at <http://www.asarco.com/job-opportunities/>

The Ray mine is located 64 miles southeast of Phoenix and 70 miles northeast of Tucson. We have a robust carpool / vanpool program and encourage employees to participate. Employees save more than 50% of their commuting costs while reading, sleeping or just enjoying the view.